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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/042,248	01/11/2002	Karine Ragil	PET-1710 C1	6990
23599	7590 06/14/2006		EXAM	INER
MILLEN, WHITE, ZELANO & BRANIGAN, P.C.			NGUYEN, TAM M	
	NDON BLVD.		APTIBUT	DADED MUADED
SUITE 1400			ART UNIT	PAPER NUMBER
ARLINGTON	, VA 22201		1764	

DATE MAILED: 06/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/042,248	KARRINE RAGIL				
Office Action Summary	Examin r	Art Unit				
	Tam M. Nguyen	1764				
Th MAILING DATE of this communication app Period for Reply	ears on the cover shet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 12 M	av 2006					
,	This action is FINAL . 2b)⊠ This action is non-final.					
· 	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
·	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	,					
4)⊠ Claim(s) <u>6-9,11-26,29-34 and 38-42</u> is/are pending in the application.						
4) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>6-9,11-26,29-34 and 38-42</u> is/are rejected.						
7) ☐ Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) The specification is objected to by the Examine						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the correct						
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P1O-152.				
Priority under 35 U.S.C. § 119	·					
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:)-(d) or (f).				
1. Certified copies of the priority documents						
2. Certified copies of the priority documents have been received in Application No						
Copies of the certified copies of the prior	•	ed in this National Stage				
application from the International Bureau	• • • •					
* See the attached detailed Office action for a list	of the certified copies not receive	ed.				
Attachment(s)						
1) D Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate atent Application (PTO-152)				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	and the same of the same				

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on May 12, 2006 has been entered.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 6, 12-25, 29-34, 38, 39, and 42 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The limitation "wherein the feed is a fresh feed not previously treated as to separated di-branched and tri-branched paraffins therefrom" in claims 6, 38, and 39 was not described in the specification at the time the application was filed.

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 7-9, 11, 40, and 41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stem et al. (4,982,048)

Stem discloses an isomerization to produce components for gasoline pool. The process comprises passing a hydrocarbon feed comprising C₆₊ including C₇ and C₅₋ components into an

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isomerization zone to produce a mixture comprising multi-branched paraffins (e.g., di and tribranched paraffins), mono-branched paraffin, and normal paraffin. The mixture is then passed into a separation zone to produce a multi-branched paraffinic (e.g., di and tri-branched paraffins) stream, a mono-branched paraffin stream, and normal paraffin stream. Stem also teaches that the process may comprise two separated isomerization zones with the normal paraffins being isomerized in the first zone and the mono-methyl paraffins being isomerized in the second zone. The isomerization process is operated at temperatures ranging from 200° to 400° C and pressures ranging from 10-40 bars (1 to 4 Mpa). The isomerization process is operated in the presence of hydrogen and catalyst. It is noted that Stem does not disclose that the isomerization feed comprises multi-branched paraffins. However, there no separation is 100% effective. Therefore, it would be expected that the isomerization feed from the upstream separation zone would comprises at least some small amount of multi-branched paraffins. (See col. 3, line 55 through col. 4, line 57; col. 9, lines 14-53, and 68; column 10, lines 1-15; column 11, lines 46-68; column 12, lines 1-22; col. 17, lines 9-33; and Figures 2-7)

Stem does not specifically disclose that the multi-branched paraffin stream provides a minimum content of 2 % weight of C₇ di-branched paraffins, and does not disclose the locations and the zones as in claim 9.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified the process of Stem by using a feed comprising the claimed amount of C₇ paraffins because Stem teaches that the feedstock can comprises quantities of C₇ paraffins (see col. 5, lines 57-62). Therefore, one of skill in the art would utilize a feedstock comprising any amount of C₇ paraffins including the claimed amount with the

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expectation that a feedstock comprising any amount of C₇ paraffins would be effectively processed in the process of Stem. As a result, it would be expected the product steam would comprise at least 2 wt.% of C₇ di-branched paraffins.

It also would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified by locating the zones as in claim 9 because the process of Stem is a cyclic process and the locations of the zones would not affect the outcome of the process since the feed is ultimately passed through each zone.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tam M. Nguyen whose telephone number is (571) 272-1452. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on (571) 272-1444. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> Tam M. Nguyen Examiner

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TN

6/9/06